

## Special Issue

# Securing the Future: Challenges and Prospects in Emerging Cyber–Physical Systems

### Message from the Guest Editors

We invite researchers to submit original research articles and reviews covering a wide range of topics related to the security challenges and development prospects in emerging cyber–physical systems. The suggested themes include, but are not limited to:

- Threat modeling and risk assessment in cyber–physical systems;
- Security protocols and mechanisms for secure communication and data transfer;
- Intrusion detection and prevention systems for cyber–physical environments;
- Privacy preservation and data protection in cyber–physical systems;
- Trust management and authentication in distributed CPS architectures;
- Resilience and fault tolerance in cyber–physical systems;
- Secure software development and firmware design for CPS;
- Hardware security for cyber–physical systems;
- Machine learning and AI approaches for CPS security;
- Case studies, real-world deployments, and lessons learned in securing cyber–physical systems.

### Guest Editors

Prof. Dr. Liviu C. Miclea

Prof. Dr. Răzvan Rughiniș

Dr. Ovidiu P. Stan

### Deadline for manuscript submissions

closed (15 July 2025)



## Electronics

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## About the Journal

### Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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### Editor-in-Chief

Prof. Dr. Flavio Canavero

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